

ABSTRACT OF THE DISCLOSURE

5 A device (1) for aspirating and dispensing liquid samples having a pump
(2), which comprises a cylindrical chamber (3), a piston (4) movable in
this cylindrical chamber, and a piston drive (5) engaging on the piston.
The device additionally comprises a pulse generator (6), which effects
dispensing of samples from a liquid by generating pressure waves in
this liquid and a tip (8) connected via a line (7) with the cylindrical
chamber (3), with the piston drive (5) comprising a first drive (9) and a
10 second drive (10), implemented as a pulse generator (6). Such a de-
vice comprises a channel (27) for rinsing or flushing the cylindrical
chamber (3), with the channel (27) discharging into the cylindrical
chamber (3). Furthermore, the invention also concerns systems with,
for example, 384 or more such devices that are arranged in an array.

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